

ORGANIC SOL COMPRISING AT LEAST ONE OXYGENATED RARE-EARTH COMPOUND, SYNTHESIS METHOD THEREFOR, AND USE OF SAID SOL FOR CATALYSIS**Publication number:** JP11501609 (T)**Publication date:** 1999-02-09**Inventor(s):****Applicant(s):****Classification:**

- **international:** B01J13/00; B01J23/10; B01J23/76; C01F17/00; C01G25/00; C01G3/00; C01G45/00; C01G49/00; C10L1/10; C10L1/30; C10L10/02; C10L10/06; B01J13/00; B01J23/10; B01J23/76; C01F17/00; C01G25/00; C01G3/00; C01G45/00; C01G49/00; C10L1/10; C10L10/00; (IPC1-7): B01J23/10; B01J23/76; C01F17/00; C10L1/30

- **European:** B01J13/00B; B01J23/10; C01F17/00D2; C01F17/00F; C01G25/00; C01G3/00; C01G45/00; C01G49/00C; C10L1/10; C10L10/02; C10L10/06; Y01N6/00

Application number: JP19970519457T 19961122**Priority number(s):** FR19950013844 19951122; WO1996FR01852 19961122**Also published as:**

JP3447746 (B2)

WO9719022 (A1)

US6136048 (A)

NO982295 (A)

MX9804025 (A)

[more >>](#)

Abstract not available for JP 11501609 (T)

Abstract of corresponding document: **WO 9719022 (A1)**

A method for processing soot containing one or more rare earths, wherein said soot is contacted with an oxygen-containing gas, is disclosed. The method comprises (a) preparing an aqueous phase comprising a dispersion of at least one oxygenated metal compound; (b) simultaneously or consecutively contacting a suspension from step (a) with an organic phase including at least one amphiphilic agent and preferably an organic mixture or compound as the solvent; and (c) recovering the organic phase. Said oxygenated metal compound is produced by means of a method according to which a solution including at least one soluble rare-earth salt, usually an acetate and/or a chloride, is prepared; the solution is contacted with a basic medium and the resulting reaction mixture is maintained at a basic pH; and the precipitate formed by atomisation or freeze-drying is recovered. Said method is useful in inorganic synthesis and catalysis.

Data supplied from the **espacenet** database — Worldwide